## 202.2.1 Consideration of Previous Spill Trajectories

driven under regional extremes of climate, tide, current, and wind. potential receptor was omitted, the analyses included the assumptions that oil would be areas that could possibly be affected from a spill from a single location. To ensure that no trajectory analyses each of which use separate sets of conservative assumptions to predict all The spill envelopes described in this document were developed by combining a series of

analyses. The two studies were found to be in qualitative agreement. Nonetheless, a qualitative comparison, which is appropriate, was made of the two trajectory therefore the study assumptions differed, direct comparison of the envelopes is not possible were calculated for a 3-hour, rather than 3-day, time period. Because the time scales and wind drift. The previous analysis used a much shorter time frame, however, as envelopes study, i.e., by superposing the oil transport associated with spreading, tidal advection, and Richmond Long Wharf, Rodeo). calculated for releases at three locations within San Francisco Bay (Anchorages 8 and 9, effort for Clean Bay (Clean Bay 1991) was reviewed. In the earlier study, spill envelopes were For comparison of the modeling assumptions, a study for an earlier contingency planning Envelopes were calculated in the same basic way as in this

different assumptions included: assumptions required to develop the spill envelopes for the RRM site. Some of the major prepared by the National Oceanic and Atmospheric Administration (NOAA) in which a "worst Several assumptions were made as part of the NOAA study which were different from the case" spill of crude oil at Harding Rock was modeled (San Francisco Bay/Delta ACP, 1993). developed for this RRM project. The example chosen for comparison is included in a study modeling effort were also reviewed and compared to the comparable spill envelope In order to evaluate the more likely movement of a spill, the results of another spill trajectory

- NOAA used a smaller spill size (12,000 bbl vs. 300,00 bbl for the RRM)
- NOAA considered typical wind patterns compared to extreme winds
- NOAA used common tidal conditions rather than extreme tidal conditions

based on the assumptions required for the RRM Rock indicate that only a relatively small area would be affected compared to the results under typical conditions for this area. The NOAA results for the spill occurring at Harding Based on these assumptions, the NOAA results are more representative of a single spill

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